

Automotive

AMBERCOMPOSITES

Amber Composites enables automotive engineers in their quest for better performance and improved safety. From engineering design and specification to just-in-time supply of composite materials, and from F1 racing teams to Tier 1 automotive, Amber Composites delivers.

We have worked with Formula 1 teams for two decades, developing state-of-the-art material for this demanding environment. Today we serve on and off-road racing with a wide variety of materials, from our cyanate ester prepreg for high-temperature brake ducts to our carbon and kevlar® prepreg systems built to withstand impact.

WHY AMBER COMPOSITES

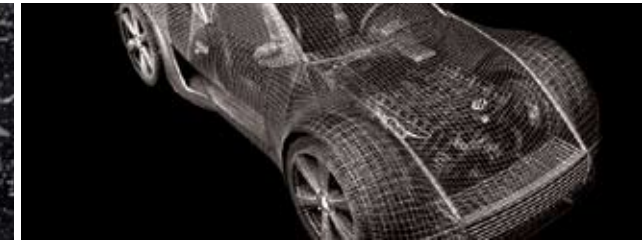
- ▶ We offer a full range of high-performance composite material
- ▶ We provide technical service that goes above and beyond the expected
- ▶ We lead the industry in response times

Typical applications



TOOLING

Our products work together for all steps of high-performance tool making from tooling board, release agents, sealers, vacuum bags and other consumables to high performance tooling prepreg.



STRUCTURAL PARTS

We enable engineered composites that operate at the leading edge of structural performance. Our prepreg, honeycomb and adhesive films were designed to work together seamlessly and they are manufactured under quality control that meets aerospace standards. Engineering challenges in high-performance chassis are made simpler with complete solutions that have a track record of proven results.



INTERIOR

Our composite products are used in aesthetic and structural parts such as dashboards, door panels, and trim. Fast processing prepreg and a broad range of reinforcements covering a wide range of processing techniques are available to satisfy the increasing demand for composite materials in visual applications.



COSMETIC BODYWORK

Rapid laminating systems such as Rapi-ply 8020 reduce laminating times and enable A1 surfaces.

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AMBERCOMPOSITES

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Ariel Atom Customer Spotlight

The Ariel Atom is a high-performance sports car made by the Ariel Motor Company which has received great media interest. In 2004 it was tested by Jeremy Clarkson on the BBC motoring television program Top Gear, where it lapped their test track faster than a Lamborghini Murcielago LP640 and a Porsche Carrera GT.

REQUIREMENTS



- ▶ Excellent surface finish
- ▶ Fast manufacture of parts
- ▶ Fast material response times

AMBER SOLUTION



- ▶ Rapi-Ply system allowed quick build-up of thickness where required
- ▶ 8020 prepreg delivered excellent, UV-stable finish without the need for refinishing

